

SHIELDED CERAMIC THERMAL SPRAY COATINGABSTRACT

This invention provides a unique method of thermally spraying high melting point material, such as ceramic materials, at an extended standoff using a gas shield and producing microstructure properties having the same properties using a short standoff without a gas shield. It is particularly useful for controlling the microstructure of a ceramic coating at an extended standoff to facilitate the coating of components with a complex shape.